

**Table 1. RCRA LANDFILL AIR MONITORING**  
**LMC Site, The Dalles, Oregon**

Date	Time	Location	Air Monitoring						Notes
			LEL (%)	CH <sub>4</sub> (ppm)	O <sub>2</sub> (%)	H <sub>2</sub> S (ppm)	CO <sub>2</sub> (%)	HCN (ppm)	
		Vent 1							
7/7/12	10:37	Source	45	84	13	56	0.03	300	105
	10:45	Worker Exposure 1U	0	0	20.9	0	0.00		0
	10:47	Worker Exposure 1D	0	0	20.9	0	0.00		0
	10:50	Worker Exposure 5U	0	0	20.9	0	0.00		0
	10:54	Worker Exposure 5D	0	0	20.9	0	0.00		0
	10:56	Cross wind 1N	0	0	20.9	0	0.00		0
	10:59	Cross wind 1S	0	0	20.9	0	0.00		0
	11:02	Cross wind 5N	0	0	20.9	0	0.00		0
	11:05	Cross wind 5S	0	0	20.9	0	0.00		0
		Vent 2							
7/7/12	10:10	Source	52	96	12.5	57	0.04	400	93.4
	10:16	Worker Exposure 1U	0	0	20.9	0	0.00		0
	10:18	Worker Exposure 1D	0	0	20.9	0	0.00		0
	10:21	Worker Exposure 5U	0	0	20.9	0	0.00		0
	10:25	Worker Exposure 5D	0	0	20.9	0	0.00		0
	10:27	Cross wind 1N	0	0	20.9	0	0.00		0
	10:29	Cross wind 1S	0	0	20.9	0	0.00		0
	10:31	Cross wind 5N	0	0	20.9	0	0.00		0
	10:33	Cross wind 5S	0	0	20.9	0	0.00		0

Source Inside vent cap at elbow.

LEL - Lower Explosive Limit.

CH<sub>4</sub> - Methane.

O<sub>2</sub> - Oxygen. Ambient concentration typically 20.9 percent.

H<sub>2</sub>S - Hydrogen Sulfide.

HCN - Hydrogen Cyanide.

CO<sub>2</sub> - Carbon Dioxide. Ambient concentrations typically 300-600 ppm.

Note: This air monitoring, done at request of ODEQ (Fredrick Moore), was not conducted using an approved Sampling and Analysis Plan (SAP). Manufacturer's instructions were followed for use of portable air sampling equipment and both monitors were calibrated prior to use.

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		<b>Vent 3</b>							
7/7/12	9:25	Source	59	94	12.4	60	0.08	800	84
	9:30	Worker Exposure 1U	0	0	20.9	0	0.00		0
	9:34	Worker Exposure 1D	0	0	20.9	0	0.00		0
	9:40	Worker Exposure 5U	0	0	20.9	0	0.00		0
	9:42	Worker Exposure 5D	0	0	20.9	0	0.00		0
	9:44	Cross wind 1N	0	0	20.9	0	0.00		0
	9:46	Cross wind 1S	0	0	20.9	0	0.00		0
	9:49	Cross wind 5N	0	0	20.9	0	0.00		0
	9:53	Cross wind 5S	0	0	20.9	0	0.00		0
7/7/12	9:59	Perimeter 1	0	0	20.9	0	0.00		0
	10:03	Perimeter 2	0	0	20.9	0	0.00		0
	10:08	Perimeter 3	0	0	20.9	0	0.00		0
	11:15	MW-5S	0	0	20.9	0	0.00		0
	11:35	RCRA Sump	0	0	20.9	0	0.20	2,000	0
	11:41	RCRA Shack	0	0	20.9	0	0.00		0
		<b>On Landfill</b>							
7/7/12	11:50	East Cap Drain	0	0	20.9	0	0.00		0
	11:55	SE Cap Drain	0	0	20.9	0	0.00		0
	12:00	SW Cap Drain	0	0	20.9	0	0.00		0
	12:05	West Cap Drain	0	0	20.9	0	0.00		0
	12:12	NW Cap Drain	0	0	20.9	0	0.00		0
	12:18	NE Cap Drain	0	0	20.9	0	0.00		0

Source Inside vent cap at elbow.

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